Title: System And Method For Adaptive Control Of Uncertain Nonlinear Processes Inventor: Calise, et al. Atty Dkt. No. 047291/276113

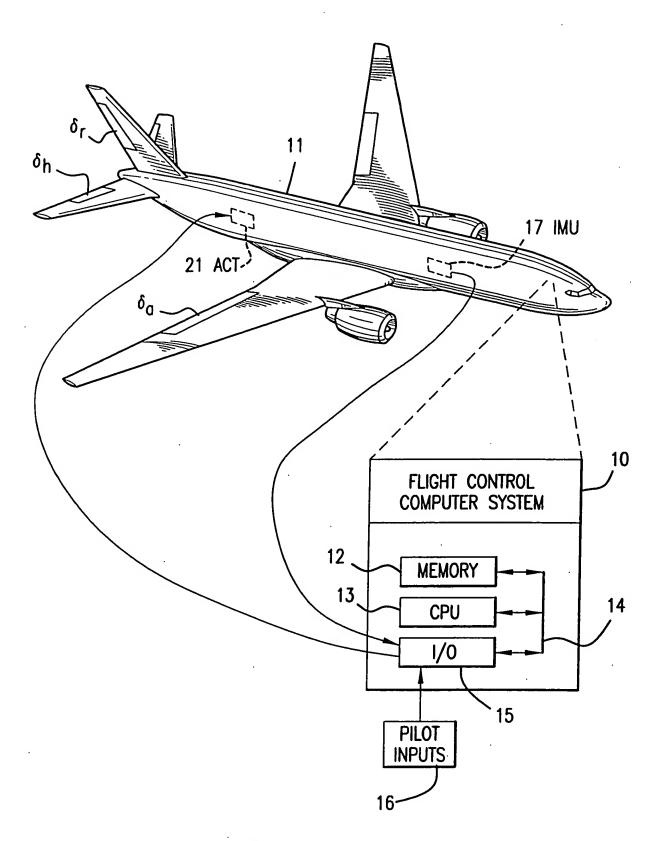


FIG.1

Title: System And Method For Adaptive Control Of Uncertain Nonlinear Processes Inventor: Calise, et al. Atty Dkt. No. 047291/276113 AIRCRAFT € က် ကို مُ 29 INVERSE. FUNCTION θη'φη 유 ON-LINE NEURAL NETWORK 34 COMMAND TRANSFORMATION 4.0.4.4.0.4 ATTITUDE ORIENTATION SYSTEM ATTITUDE CONTROL (LINEAR CONTROLLER) 23 φ. Θ. သီ မှ ပ 20 8 COMMAND
AUGMENTATION UNIT
& TURN
COORDINATION မှ PILOT INPUT

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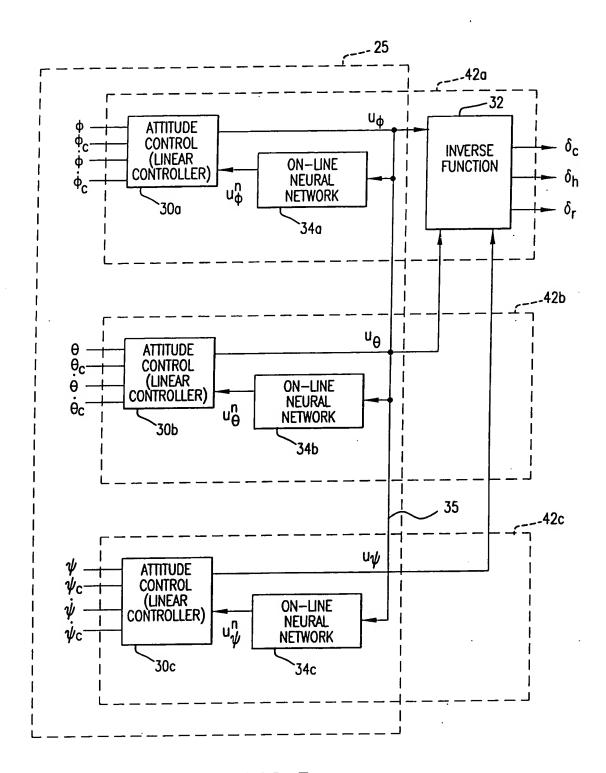


FIG.3

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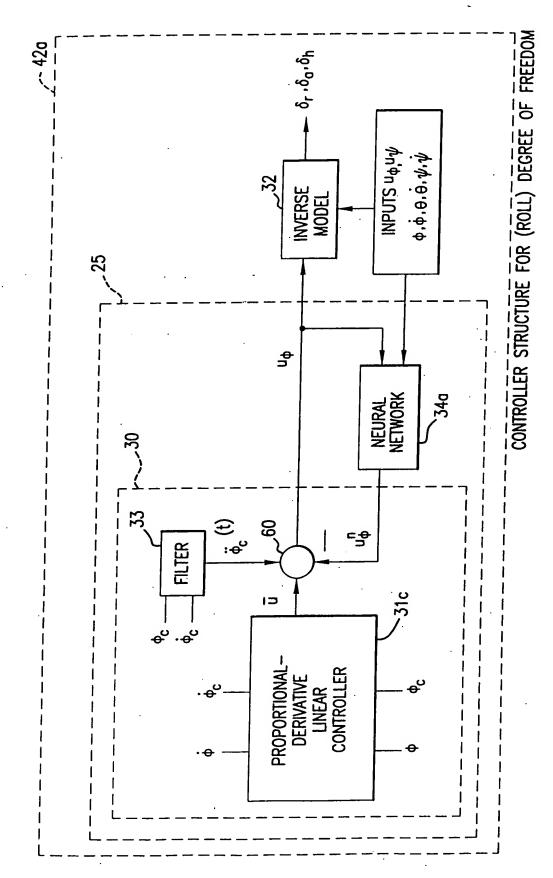
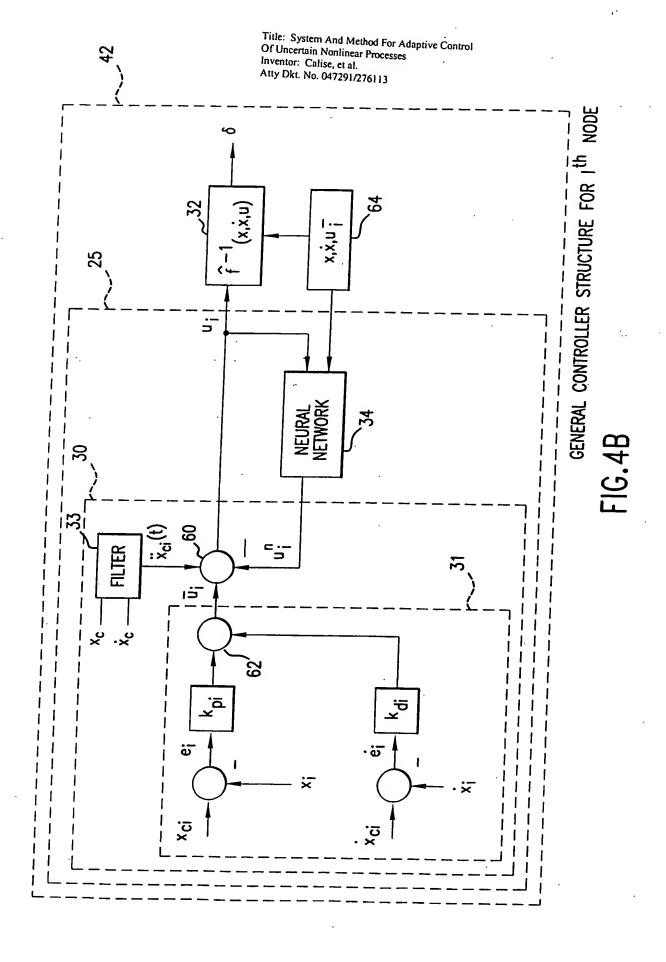
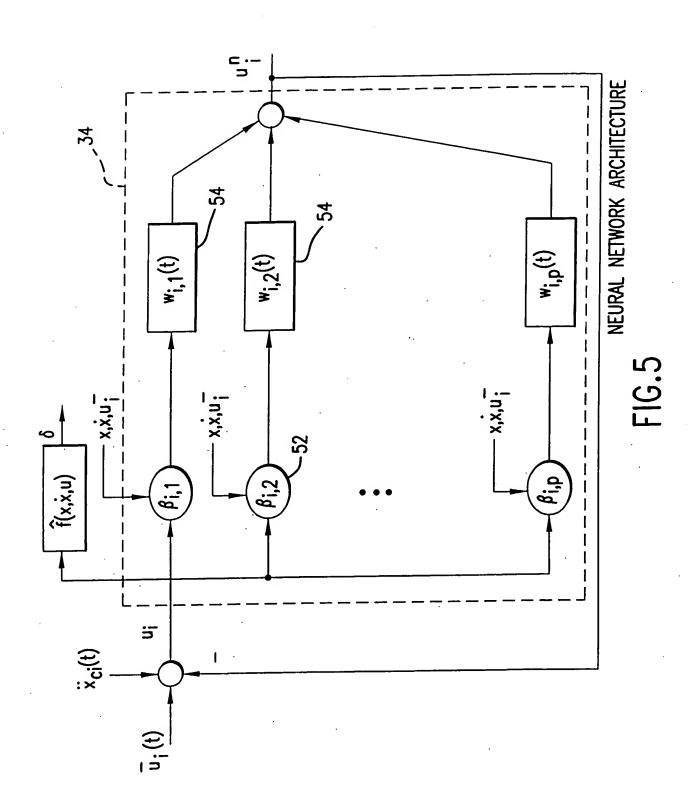


FIG.4A

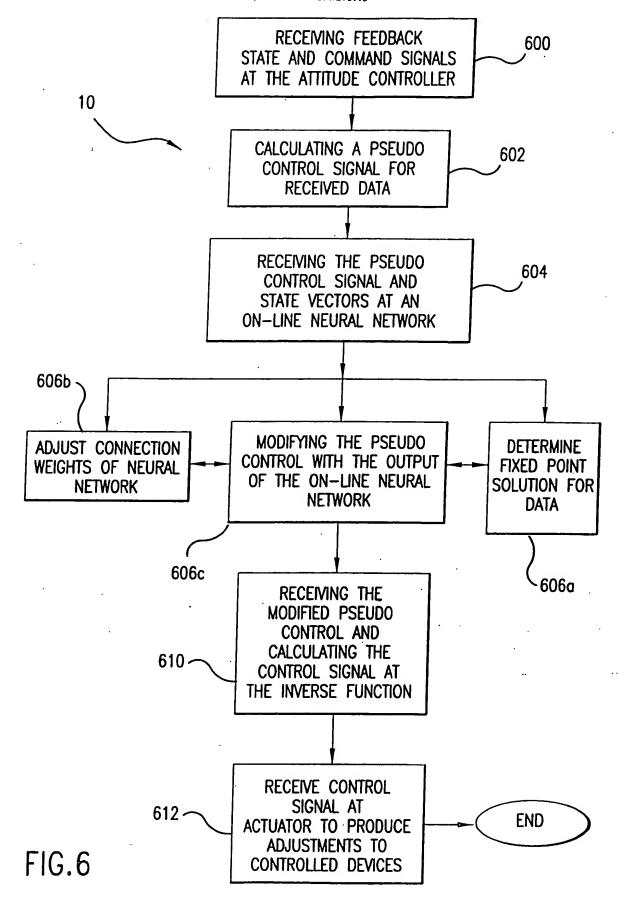


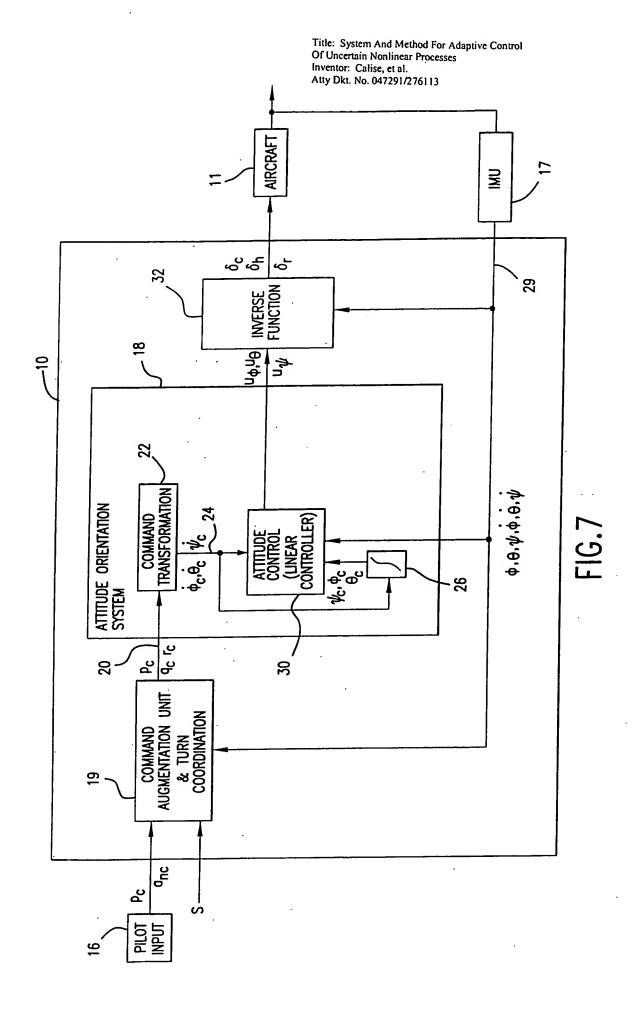
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Of Uncertain Nonlinear Processes Inventor: Calise, et al. Atty Dkt. No. 047291/276113

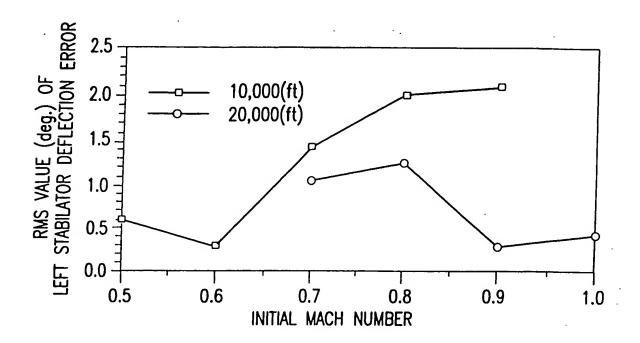


FIG.8A

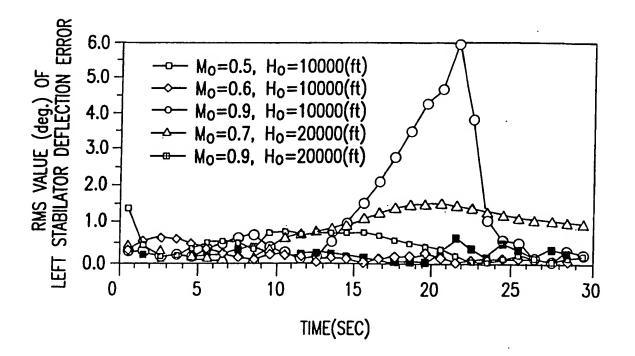
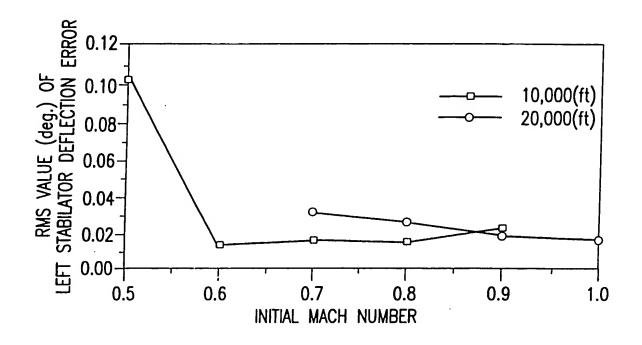


FIG.8B



0.6 --- M_O=0.5, H_O=10000(ft) \rightarrow M₀=0.6, H₀=10000(ft) -- $M_0=0.9$, $H_0=10000(ft)$ 0.4 $-M_0=0.7$, $H_0=20000(ft)$ $M_0=0.9$, $H_0=20000(ft)$ 0.2 0.0 5 15 0 10 20 25 30 TIME(SEC)

FIG.9A

FIG.9B